

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061319\
 Data File : VD062697.D
 Acq On : 13 Jun 2019 16:54
 Operator : VA/AP
 Sample : K3369-16
 Misc : 4.66g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 Z-3-SOIL-4

Quant Time: Jun 14 07:23:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

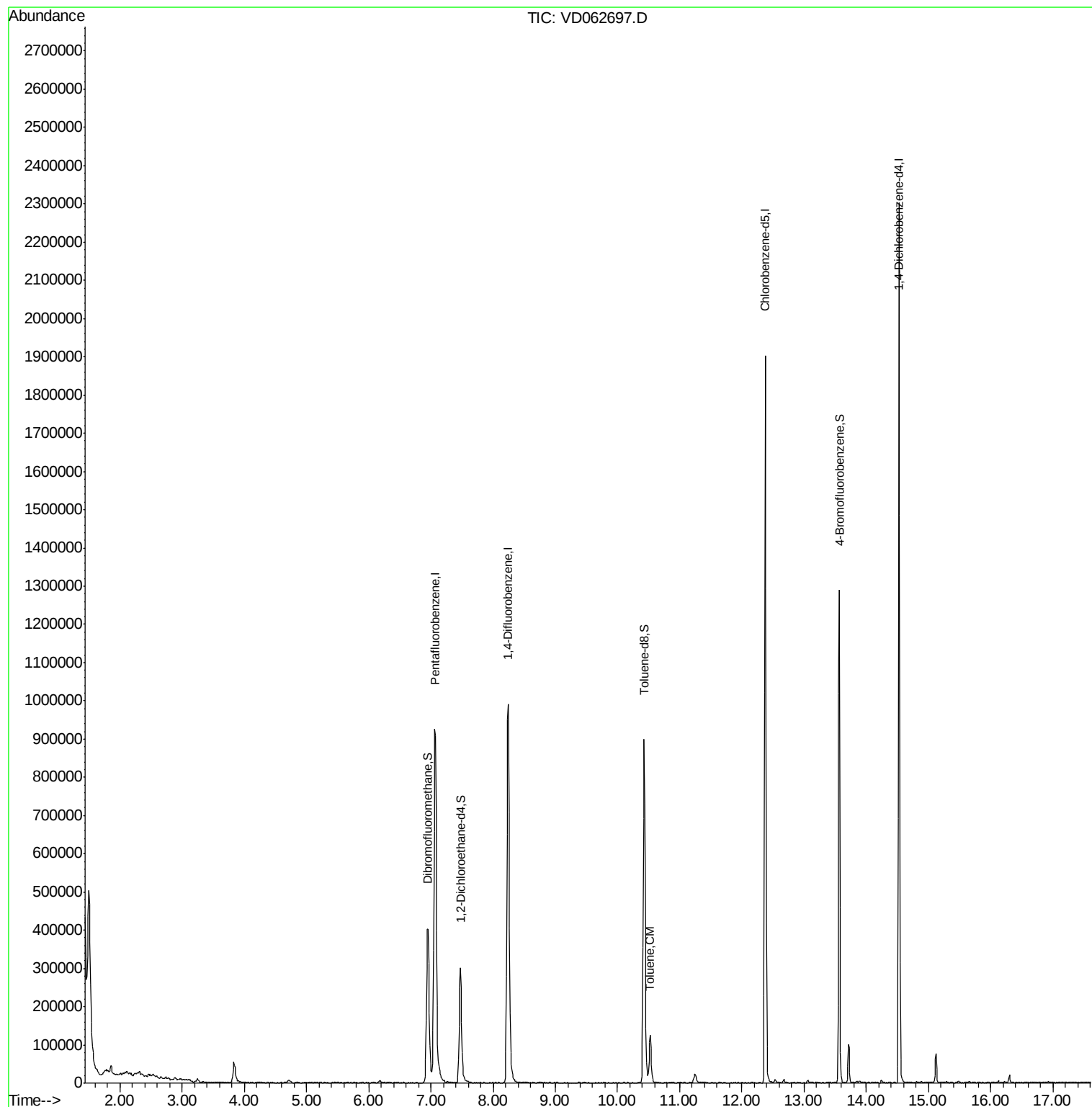
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	866301	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	1077670	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	916006	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	468972	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	350022	28.00	ug/l	0.02
Spiked Amount 50.000			Recovery	=	56.00%	
35) Dibromofluoromethane	6.94	113	374023	32.91	ug/l	0.02
Spiked Amount 50.000			Recovery	=	65.82%	
50) Toluene-d8	10.43	98	710304	29.71	ug/l	0.01
Spiked Amount 50.000			Recovery	=	59.42%	
62) 4-Bromofluorobenzene	13.57	95	356058	31.92	ug/l	0.01
Spiked Amount 50.000			Recovery	=	63.84%	
Target Compounds						
52) Toluene	10.53	92	56384	3.482	ug/l	Qvalue 90

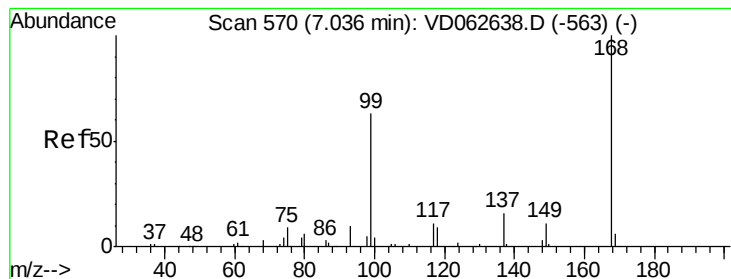
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.03 min

Lab File: VD062697.D

Acq: 13 Jun 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

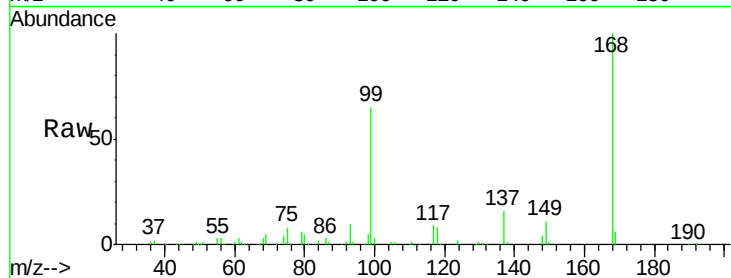
Z-3-SOIL-4

Tot Ion:168 Resp: 866301

Ion Ratio Lower Upper

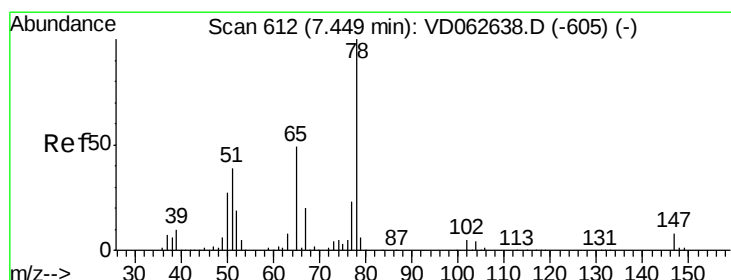
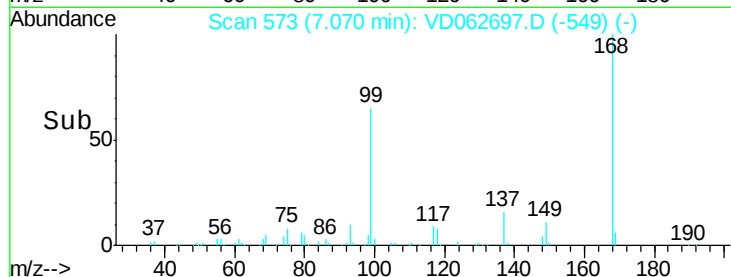
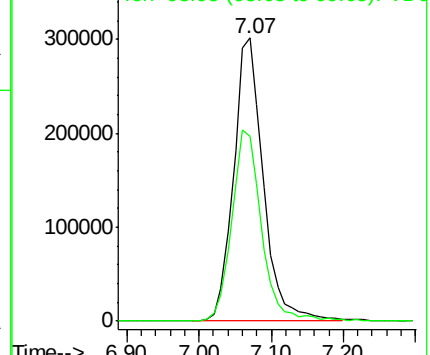
168 100

99 65.4 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#33

1,2-Dichloroethane-d4

Concen: 28.000 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.02 min

Lab File: VD062697.D

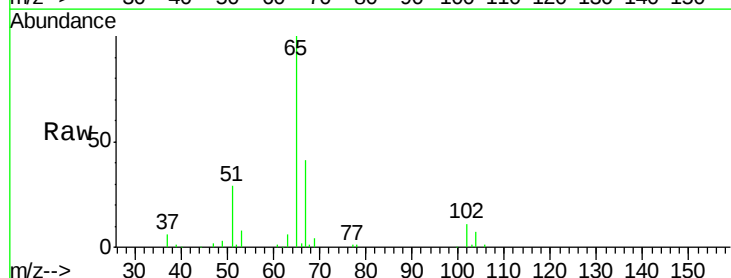
Acq: 13 Jun 2019 16:54

Tgt Ion: 65 Resp: 350022

Ion Ratio Lower Upper

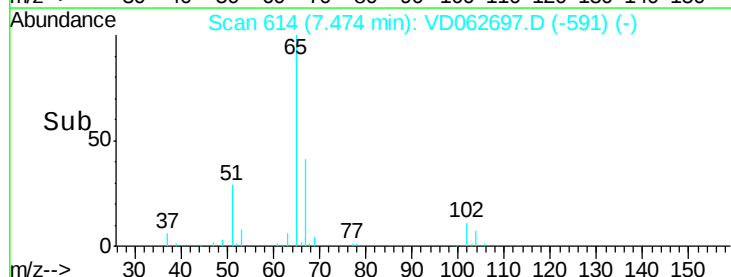
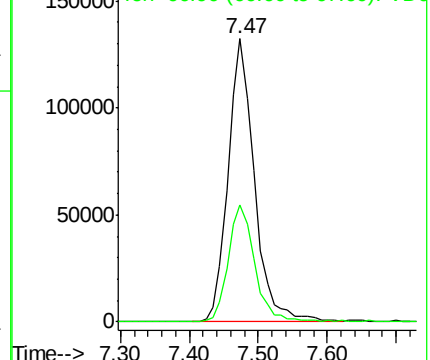
65 100

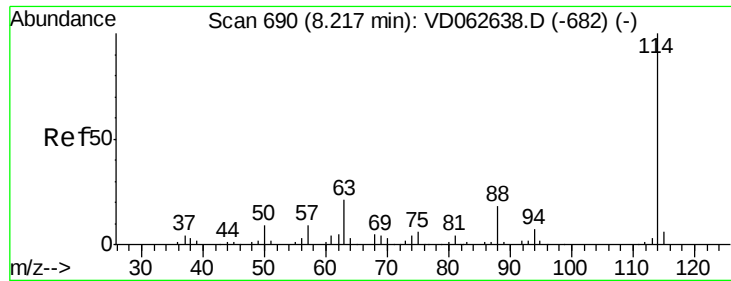
67 41.1 0.0 81.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 692

Delta R.T. 0.02 min

Lab File: VD062697.D

Acq: 13 Jun 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

Z-3-SOIL-4

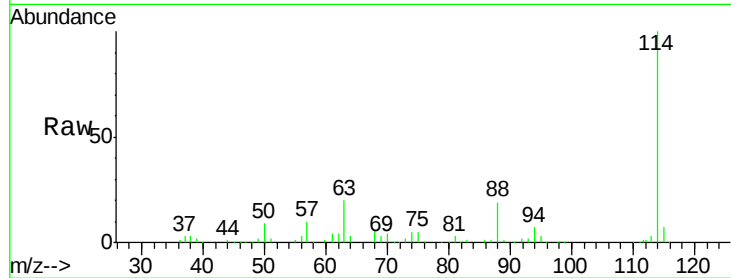
Tot Ion:114 Resp: 1077670

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

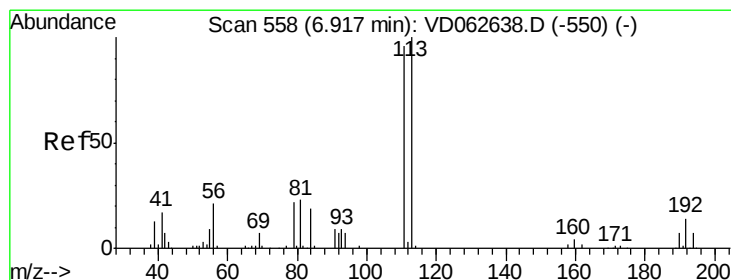
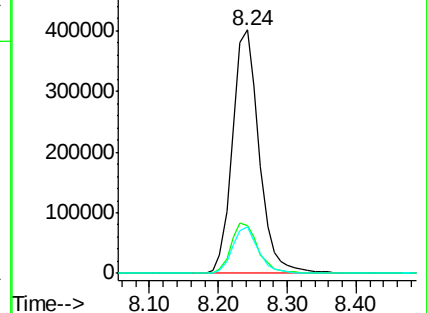
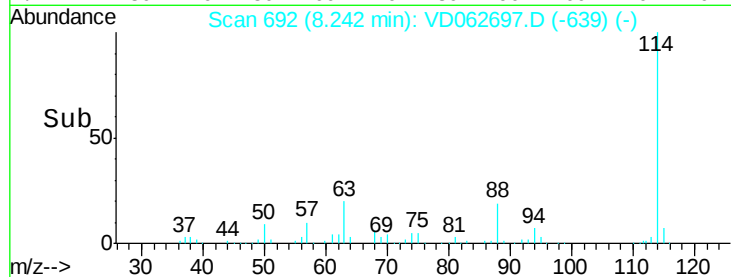
88 18.9 0.0 36.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 32.909 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.02 min

Lab File: VD062697.D

Acq: 13 Jun 2019 16:54

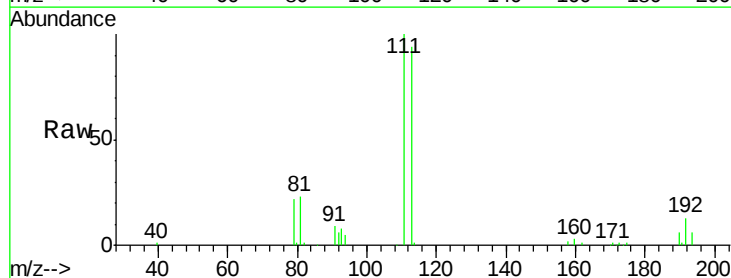
Tgt Ion:113 Resp: 374023

Ion Ratio Lower Upper

113 100

111 106.1 76.4 114.6

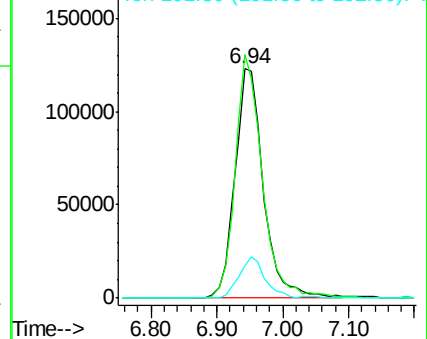
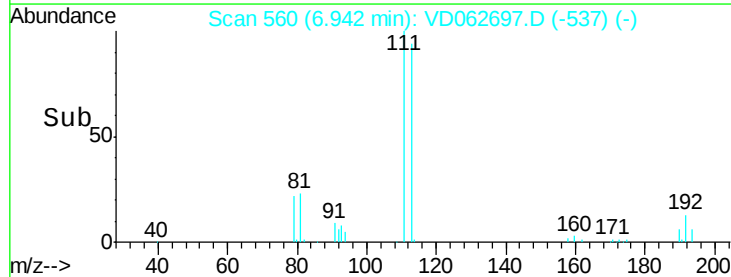
192 13.9 11.4 17.0

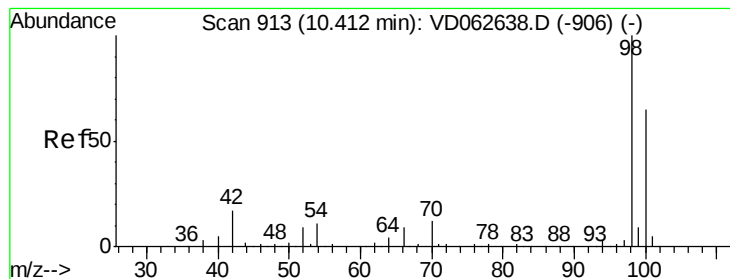


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#50

Toluene-d8

Concen: 29.709 ug/l

RT: 10.43 min Scan# 914

Delta R.T. 0.01 min

Lab File: VD062697.D

Acq: 13 Jun 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

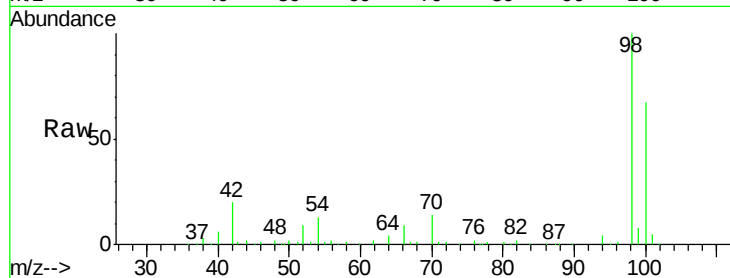
Z-3-SOIL-4

Tot Ion: 98 Resp: 710304

Ion Ratio Lower Upper

98 100

100 66.8 52.1 78.1



Abundance Ion 98.05 (97.75 to 98.75): VD062697.D (-902) (-)

Ion 100.05 (99.75 to 100.75): VD062697.D (-902) (-)

10.43

300000

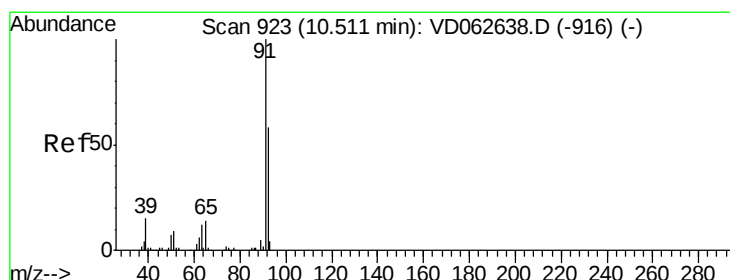
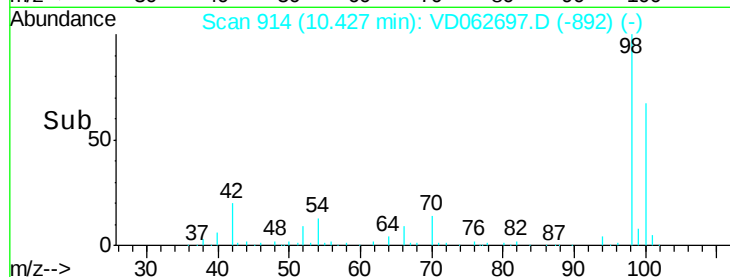
200000

100000

0

Time-->

10.30 10.40 10.50 10.60



#52

Toluene

Concen: 3.482 ug/l

RT: 10.53 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD062697.D

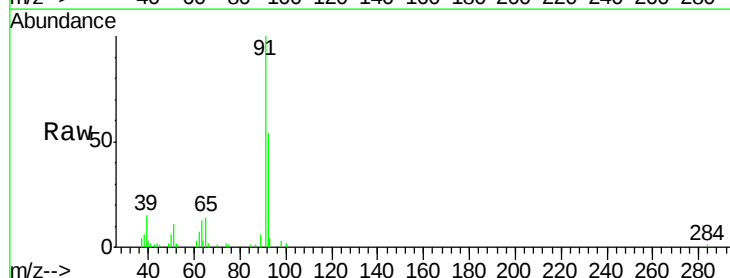
Acq: 13 Jun 2019 16:54

Tgt Ion: 92 Resp: 56384

Ion Ratio Lower Upper

92 100

91 185.2 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VD062697.D (-902) (-)

Ion 91.00 (90.70 to 91.70): VD062697.D (-902) (-)

10.53

50000

40000

30000

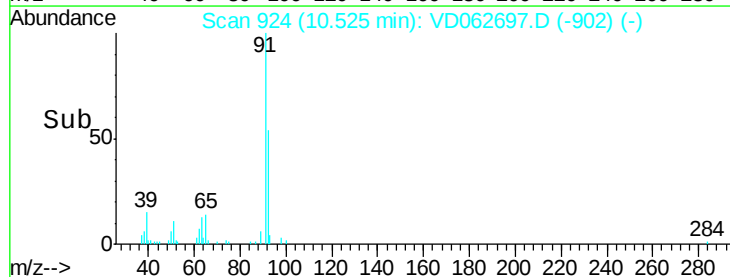
20000

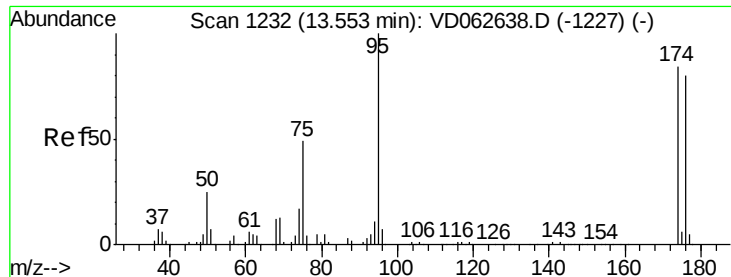
10000

0

Time-->

10.40 10.50 10.60





#62

4-Bromofluorobenzene

Concen: 31.921 ug/l

RT: 13.57 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062697.D

Acq: 13 Jun 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

Z-3-SOIL-4

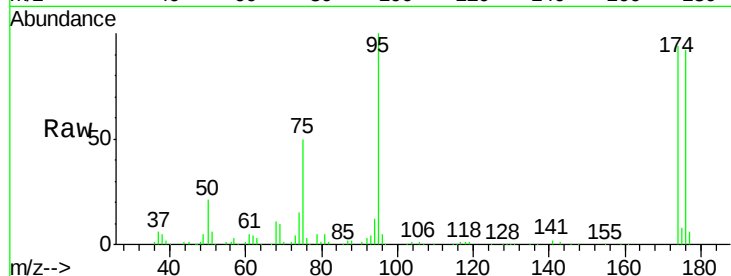
Tot Ion: 95 Resp: 356058

Ion Ratio Lower Upper

95 100

174 93.9 0.0 167.0

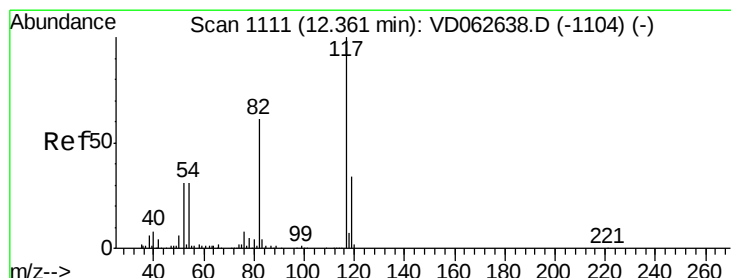
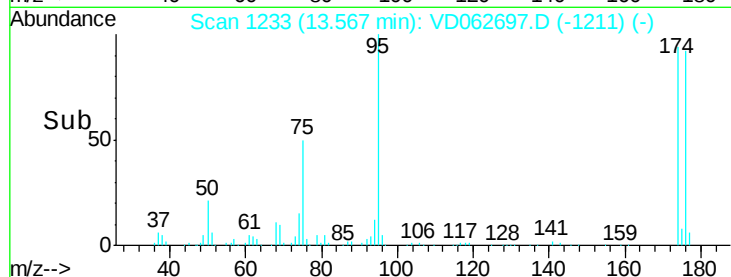
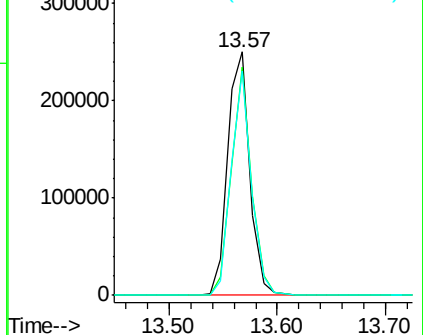
176 92.4 0.0 159.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.38 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD062697.D

Acq: 13 Jun 2019 16:54

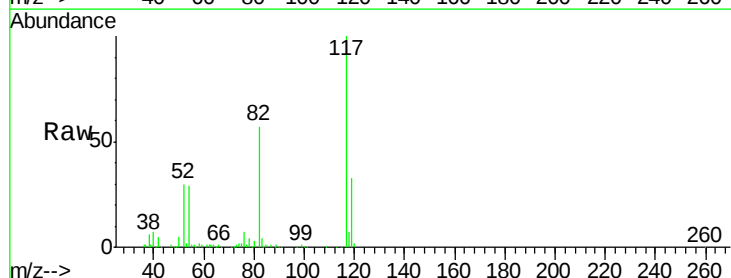
Tgt Ion: 117 Resp: 916006

Ion Ratio Lower Upper

117 100

82 57.4 48.7 73.1

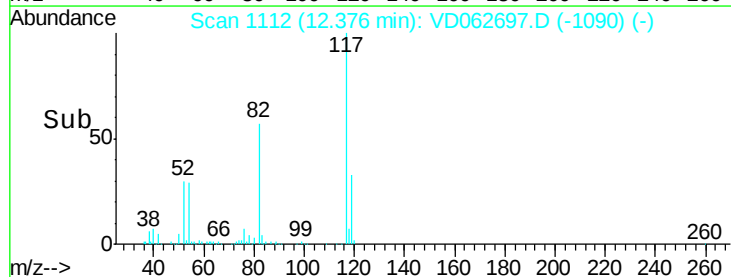
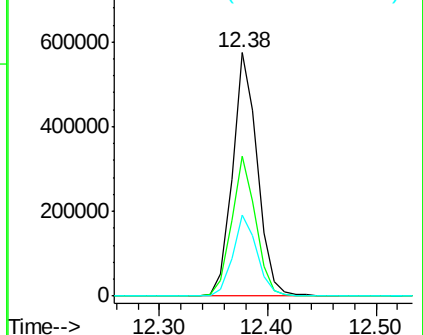
119 33.3 27.0 40.6

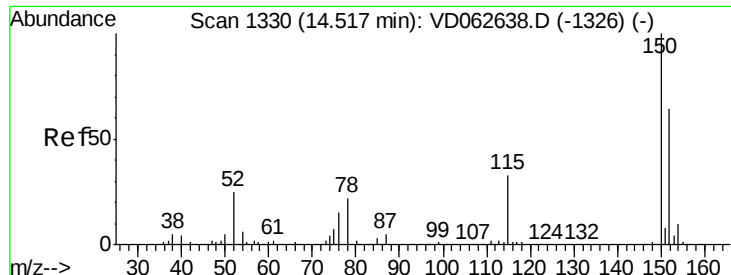


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

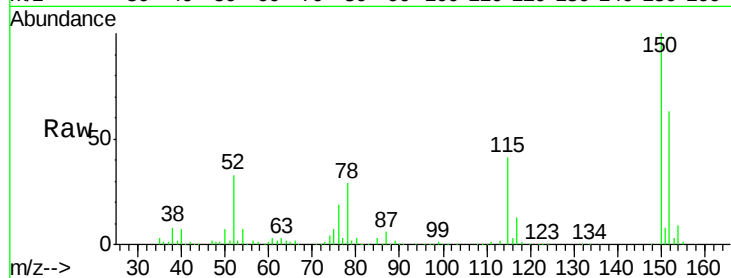




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VD062697.D
 Acq: 13 Jun 2019 16:54

Instrument :
 MSVOA_D
 ClientSampleId :
 Z-3-SOIL-4

Tot Ion:152 Resp: 468972
 Ion Ratio Lower Upper
 152 100
 115 65.2 30.1 90.5
 150 158.4 0.0 314.0



Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V

